bound to its adjacent analyte binding site and not measure an interfering amount of analyte bound to said nearest adjacent analyte binding site] wherein said device does not have means to mix a sample in said cell.

2. (Amended) The [assay] device claimed in claim 1 wherein said binding substrates [sites] comprise a plurality of different analyte specific proteins.

3. (Amended) The [assay] device claimed in claim 1 wherein said binding substrates [sites] each comprise a different antigen.

4. (Amended) The [assay] device claimed in claim 1 wherein [each] said binding substrates comprise [site] [comprises] a different antibody.

5. (Amended) The [assay] device claimed in claim 1 further comprising at least one auxiliary electrode in said cell.

ADD CLAIM 10

10. (New) The device claimed in claim 1 wherein said analyte binding areas comprise liquid impervious sheets.

In the specification, add the following:

-- Abstract --

A simultaneous multianalyte electrochemical assay includes a cell which has a surface and the surface includes analyte binding sites i.e., antibodies or antigens on a solid phase at distinct separate locations. Separate working electrodes are located within proximity to these separate locations. Enzyme labeled antibodies or antigens depending on the assay format are added and the enzyme reaction product measured, by simultaneous amperometric measurement with the independent electrode in each area. The electrodes are spatially separated from adjacent analytes so that a measurement can be taken before cross-interference due to diffusion of product from adjacent analyte areas.

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At page 5, line 7, after "quiescent solution" insert -- without active mixing --.

DISCUSSION

Applicant affirms the election of claims 1-5 in response to the restriction requirement. As requested by the Examiner, Applicant has added the Abstract.

With respect to rejections under 35 U.S.C. §112, Applicant has referred to the analyte sites as binding areas throughout the claims. Further, the claims have been amended to indicate that the invention is an electrochemical device which comprises a cell adapted to hold a sample. The cell structure is described in the example and does not constitute new matter. Finally claim 4 has been amended to indicate the auxiliary electrode is in the cell.